

Amendment to the Claims:

This listing of claims will replace all versions, and listings, of claims in the application:

Listing of Claims:

CLAIM IDENTIFIERS ARE FOR NEW RESPONSE

1. (Currently Amended) A wireless voice over Internet Protocol telephone, comprising:

a wireless handset that comprises a wireless personal area network transceiver configured to communicate with a wireless personal area network, a wireless local area network transceiver configured to communicate with a wireless local area network, and a selecting device for selecting between the wireless personal area network transceiver and the wireless local area network transceiver;

wherein the wireless handset is in voice communication with a telephone controller, the telephone controller is configured to communicate with a base station coupled to the wireless personal area network and an access point coupled to the wireless local area network;

wherein the selecting device selects the wireless personal area network transceiver for routing the voice communication through the wireless personal area network when the wireless personal area network transceiver detects a wireless personal area network connection, otherwise the selecting device selects the wireless local area network transceiver;

wherein the selecting device is configured to send a signal to the telephone controller via the wireless local area network transceiver to route the voice communication for the wireless handset through the wireless local area network responsive to the wireless personal area network transceiver being unable to detect a wireless personal area network connection; and

wherein the selecting device is configured to send a signal to the telephone controller via the personal area network transceiver to route the voice communication for the wireless handset through the wireless personal area network responsive to reestablishing a connection with the wireless personal area network.

2. (Previously Presented) The wireless voice over Internet Protocol telephone of claim 1, further comprising a base station that comprises a wireless personal area network transceiver for communicating with the wireless personal area network transceiver of the wireless handset.

3. (Original) The wireless voice over Internet Protocol telephone of claim 2, the base station further comprising a network interface card, wherein the base station notifies a wireless local area network when a wireless personal area network signal from the wireless handset is not detected.

4. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is a Bluetooth transceiver and the wireless personal area network transceiver of the wireless handset is a Bluetooth transceiver.

5. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is an infrared transceiver and the wireless personal area network transceiver of the wireless handset is an infrared transceiver.

6. (Previously Presented) The wireless voice over Internet Protocol telephone of claim 2, wherein the controller is a phone controller that is communicatively coupled to at least one access point over a local area network, and to the base station.

7. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless local area network transceiver is an 802.11x transceiver.

8. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is an infrared transceiver.

9. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

Claims 10 - 13 (Canceled)

14. (Currently Amended) A method for a wireless handset to send and receive voice over Internet Protocol using a wireless voice over Internet Protocol telephone, comprising the steps of:

establishing a wireless voice communication employing voice over Internet Protocol packets with a telephone controller through a base station via a wireless personal area network transceiver;

determining when the wireless handset is out of range of the base station;

activating a wireless local area network transceiver by the wireless handset responsive to determining the wireless handset is out of range of the base station;

sending a first message via the locate area network transceiver notifying the telephone controller to send subsequent voice over Internet Protocol packets for the voice communication to the wireless handset via a wireless local area network in data communication with the wireless local area network transceiver responsive to determining the wireless handset is out of range of the base station ~~by sending a signal to the telephone controller via the wireless local area network transceiver~~; and

sending a second message via the wireless personal area network transceiver notifying the telephone controller to send subsequent voice over Internet Protocol packets for the voice communication to the wireless handset via the base station responsive to determining the wireless handset has moved within range of the base station ~~by sending a signal to the telephone controller through the base station via the wireless personal area transceiver~~.

15. (Original) The method of claim 14 wherein the wireless local area network transceiver is at a remote location and communicatively coupled to the base station.

16. (Original) The method of claim 14, further comprising the step of establishing a communications channel between a base station and a wireless handset using the wireless personal area network transceiver.

17. (Original) The method of claim 16, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

18. (Original) The method of claim 16 further comprising authenticating the wireless handset by the base station.

19. (Original) The method of claim 18, wherein the wireless local area network transceiver is an 802.11x transceiver.

Claims 20 - 38. (Canceled)

39. (New) A system, comprising:

a network;

a telephone controller coupled to the network;

a wireless local area network access point coupled to the network and configured to communicate with the telephone controller via the network;

a wireless handset; and

a base station coupled to the network and configured to communicate with the telephone controller via the network, the base station is further configured to wirelessly communicate with the wireless handset;

wherein the wireless handset is configured to wirelessly communicate with the base station using a first protocol and to wirelessly communicate with the wireless local area access point using a second protocol;

wherein the wireless handset is configured to communicate with the base station when the wireless handset detects the base station; otherwise the wireless handset communicates with the wireless local area network access point;

wherein the wireless handset transmits a first message for the telephone controller that is sent via the wireless local area network access point to instruct the telephone controller to direct communications for the wireless handset through the wireless local area network access point responsive to the wireless handset being unable to detect the base station; and

wherein the wireless handset transmits a second message for the telephone controller that is sent via the base station to instruct the telephone controller to direct communications for the wireless handset through the base station responsive to detecting the base station.

40. (New) The system of claim 39, wherein the wireless handset communicates Voice over Internet Protocol compatible packets with the telephone controller.

41. (New) The system of claim 39, wherein the base station communicates with the wireless handset using a Bluetooth compatible protocol.

42. (New) The system of claim 39, wherein the wireless local area access point communicates with the wireless handset using an 802.11 compatible protocol.

43. (New) The system of claim 39, wherein the telephone controller communicates with the base station using an Internet Protocol compatible protocol and the telephone controller communicates with the wireless local area network access point using an Internet Protocol compatible protocol.